

# OPEN WIRELESS ARCHITECTURE FOR FOURTH GENERATION MOBILE COMMU- NICATIONS

## Abstract

An open wireless architecture (OWA) for fourth generation (4G) mobile communications supporting various different wireless radio transmission technologies (or called air interfaces) and convergence of wireless networks and wireline networks by constructing an open architecture platform in the systems of base-band processing, radio frequency, controller, networking as well as service applications, etc. With this said OWA model, a fourth generation mobile communication system is defined and developed.